



## RARA PICNIC

ANAND CHOUDRI, KC2KPG—RARA VICE PRESIDENT

Our July meeting will take place on Saturday the 8th starting at 11:00 AM at the West Lodge in Mendon Ponds Park.

**Please note that there will be no meeting on Wednesday the 5th at the Boys Scouts building.**

We will be setting up around 11:00am, the grill gets ready around noon and the burgers and hots will be ready soon after that. You are of course welcome to get there early to enjoy the day and each other's company.

We invite you to bring a dessert to pass so we can have an assortment of treats to choose from. In the past we have had some impressive goodies. Please take this opportunity to show off your culinary skills.

Please spread the word that there is no meeting at the Boys Scouts building in July. If you would like to help, you can contact any of the club's officers or board members and we will be sure to use your help. We're confident that the picnic, like all other RARA events in the past, is going to be a blast. I hope you will join us.

Don't forget to bring your 2-meter HT to the picnic. Jon Dickason will once again share with us his expertise in fox hunting. Foxhunting is radio direction finding (RDF) of a hidden transmitter. The hunt will be on foot in the park. A 2-meter receiver is all that's required; you don't even need a ham license! He will show us techniques to use an HT to find the fox, and we can keep hiding and finding until we've had too much fun. Jon will show us how we can make our own hidden transmitter and directional RDF antenna. Bring your HT so you can find the fox! This event depends on Jon's availability – I hope he will not be called away out of town on office business.

**JULY 2017**  
**VOLUME 69, ISSUE 11**

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## RARA BANQUET

**Information and Tickets Available in August**

**Friday September 22, 2017**

# PREZ SEZ

FOREST SHICK, WA2MZG—RARA PRESIDENT

What are your summer ham radio projects? Experimenting with a new antenna idea? Sitting under a tree in your yard operating QRP? Bicycle mobile? Maritime mobile? Strolling in the park listening to code practice on your iPhone?

A great summer activity is attending the RARA Summer Picnic Saturday July 8, West Lodge, Mendon Ponds Park.

As you are relaxing on your front porch, enjoying the summer breeze, why not share your summer activities with your fellow hams - write a short article for the RAG? Describe building your bicycle mobile station, how you keep that 80M vertical, vertical (on your bicycle). Or how you lined a beach umbrella with copper screen to make a dish antenna. AHHH - moon bounce from Charlotte Beach!

Did you hear about our hamfest? What a success! Beautiful location, packed attendance and a runaway golf cart. Never a dull moment at a hamfest. More to come on the hamfest in the August RAG. But enjoy these pictures from Tim Barrett, K9VB.



## CALENDAR OF EVENTS

**JULY 8<sup>TH</sup>** - RARA Picnic  
11:00AM West Lodge, Mendon Ponds Park

**JULY 13<sup>TH</sup>** - RARA Board of Directors



# JOB WELL DONE! TOUR DE CURE RIDE COMMUNICATIONS

Mike Moore, KC2NM, Public Service Coordinator

The Rochester Tour de Cure, which is a bike ride that supports the work of the American Diabetes Association, was held June 10, 2017 at the Xerox Campus in Webster. This event raises over \$1M in donations through the efforts of the nearly 2000 people who locally ride in the event. Hundreds of community volunteers also help make this event the success that it is!

Amateur Radio operators provide critical route communications from vehicles and rest stops to the command post and from the sweep vehicles they provide locations of riders, reports of course problems, and route status. From SAG vehicles (Support, Assistance, and Gear)



Amateurs help riders with mechanical problems and transport bikes and riders as needed.

For this event, a command post was set up in a conference room in Xerox Building 139 with radio and internet links to



the WA2EMO repeaters in Wayne County near the geographic center of the ride. The repeaters were used to communicate to the team of Amateur Radio Operators deployed along the routes. Internet services were used for route mapping (APRS), logging and record keeping, and to monitor traffic and weather. All of these services were provided to the



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585.362.8564

Keller Williams Realty Greater Rochester  
2000 Winton Rd South Building 1-201  
Rochester, NY 14618







event management team and used to run the event.

The Amateur Radio Volunteers were also welcome at the entertainment and food midway that was set up during and after the event (Simply Crepes, Amiels, and Dinosaur BBQ). Did I mention that the weather was absolutely Great? We even had one volunteer telephone operator in the command post which expressed an interest in becoming a ham!

Thank you to the following list of event participants. AB2OY AG2M KD2MQL K2DWA K2ELV K2STF K4TGA KB2FSB KB2KNU KB2NCI KC2NM KC2PUD KC2SPY KC2YGH KD2AUH KD2BEC KD2CDC KD2DNO KD2EEP KD2IFF KS2JEK N2BNE N2CK N2FV N2IZV N2JAC N2MKT N2PEZ N2WES W2COP W2RMB W2WBD WA2FTV WW2J, Drumlins ARC for the repeaters, and many contributors for the event photos.



## THE FINGER LAKES CHALLENGE BIKE RIDE FOR MULTIPLE SCLEROSIS

Mike Moore, KC2NM, Public Service Coordinator



The Finger Lakes Challenge is Saturday-Sunday July 8-9, 2017. This event is close by and in a very scenic part of New York State. There is a new route this year and the ride is based at Hobart and William Smith College in Geneva NY. Operators are needed for both days, but the primary need at this time, is for Saturday. We will provide critical route communications using Amateur Radio. On Saturday, the rides extend south from Geneva toward Watkins Glen with 3 routes of 100, 62, and 30 miles. On Sunday, routes extend east toward Seneca Falls with 2 routes of 50 and 25 miles. If you would like to help out, we can always use a couple of more operators to support this fun and successful fund raiser for Multiple Sclerosis. Overnight accommodations

are available for those that want to do volunteering for both days. You can contact Tom Sanders at [kb2nci@arrl.net](mailto:kb2nci@arrl.net) if you have questions. Go to [http://bit.ly/RARA\\_BikeMS\\_Sign-up\\_Form](http://bit.ly/RARA_BikeMS_Sign-up_Form) to sign up. This sign up link is also available from the Public Service tab at [rochesterham.org](http://rochesterham.org).

# HAMFEST BALLOON LAUNCH

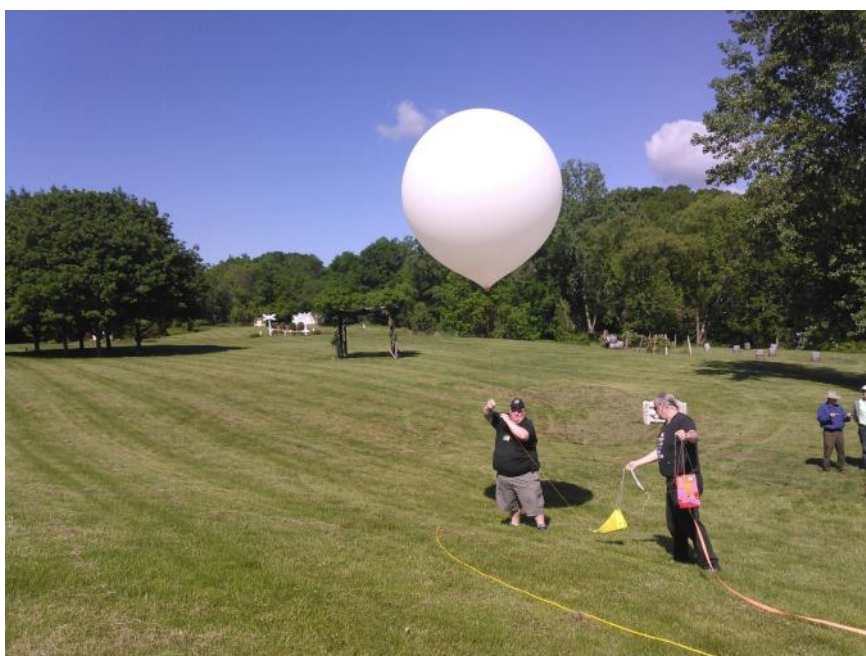
Mike Hojnowski, KD2EAT

The payload launched from the Rochester Hamfest had two 10mw APRS trackers, for redundancy, which I built by hand. It also had a Kodak digital camera which I surgically modified to be able to trigger the shutter via a microcontroller I had programmed for the flight. The flight peaked at 111,500 feet over Keuka Lake, and descended to a comfortable landing in a field south of Elmira. It was visible, 100 yards from the road, making recovery trivial.

KD2EAT's blog: <http://hojoham.blogspot.com/2017/06/high-altitude-balloon-flight-6317-from.html>

Photos <https://goo.gl/photos/7nLS2sq7FoNiT3Ri6>

Mike "Hojo" Hojnowski has been a licensed ham since 2013. His original interest was to have better communications from his vintage Vespa Scooter, while riding across country in the Scooter Cannonball Run. He learned about telemetry via APRS, and soon about APRS balloons. He's been a balloonatic ever since. Mike has done launches with the Amateur Radio Club at Cornell (where he serves as advisor), and also with the Olean and Pittsford-Mendon school districts. Mike has also built "pico" balloons, which float at high altitude, rather than burst, and managed to circumnavigate the globe with one last year.





# A TASTE OF SOFTWARE DEFINED RADIO, FOR FREE!

Scott Theis, W2LW

While Software Defined Radio (SDR) is not new, what is new is the price and capability. A lot of the devices you use every day employ SDR in one form or another, ranging from your cell phone to your WiFi network. In the past, only certain parts of a conventional radio were replaced with computer processing — now 90% of the work can be performed by a purpose designed set of chips. SDR also allows for features and capabilities that one could hardly dream of only a decade ago. In this article, we will explore SDR and new ways of looking at the airwaves. And best of all, dipping your feet in the water is free.

## Jump Right In

Let's start by diving right into a free SDR receiver called KiwiSDR. This is a modular kit radio based on an SDR front end and a BeagleBone processor. A network of almost 150 KiwiSDR receivers around the world can be accessed via [www.sdr.hu](http://www.sdr.hu). When you go to that address, you will be greeted with the front page and a list of online receivers. However, don't use Internet Explorer or a phone or tablet. There are compatibility problems with Internet Explorer which the developers are working on correcting. The required screen real estate does not lend itself to small screens such as phones or tablets. I tried the site on my Android phone. It works, but accessing the control panel is problematic.

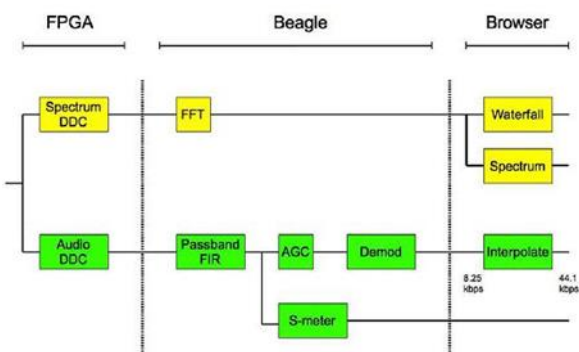


## An Introduction to SDR

The idea of digital receivers and transmitters dates back to the 1970s. Digital Signal Processing (DSP) has been used for decades now for everything from audio applications to complex signal processing, detection and multiplexing. In the past, digital radio had been limited to filters and various other processing on a hybrid basis with the heavy lifting of the RF front end left to more conventional hardware. From a computer perspective, if everything could be sampled at the antenna input and converted to digital, then all processing can be performed by software. This has significant advantages. First, little to no noise is introduced by the system (however, there can be digital artifacts). Second, multiple filtering algorithms can be applied with little degradation. Finally, complex modes such as spread spectrum, band sharing, cognitive radio, mesh networks and other modes can be implemented without a lot of expensive hardware.

## KiwiSDR

KiwiSDR is relatively new and unique in the sense that it stands alone and is accessed through a web interface. With a browser based interface, if a KiwiSDR owner wishes, they can participate in a network allowing public access to the device worldwide via a web browser. [www.sdr.hu](http://www.sdr.hu) is a network of KiwiSDR installations allowing users to browse from 10kHz to 30mHz.



Each installation on the web has an option to specify the type or types of antennas being used. Aside from the antenna, the overall system has three major components: (i) the FPGA (Field Programmable Gate Array) board which contains the RF front end and Analog to Digital Converter; (ii) a stripped down BeagleBone board to perform the DSP functions; and, (iii) your browser which provides display and interface processing.

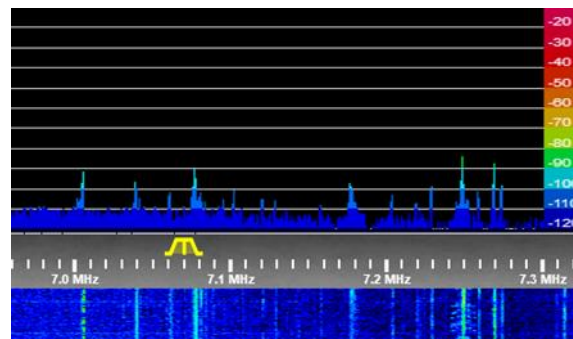
The browser controls do talk back to the KiwiSDR and have a delay of about 4 seconds. This can make tweaking the controls a little

frustrating.

## Spectrum Scope

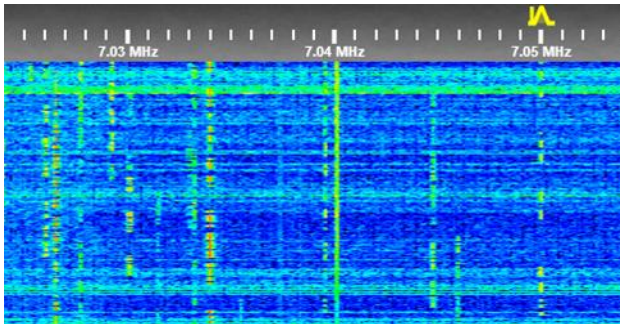
Many SDR implementations provide for either a spectrum scope and/or a waterfall display. Depending on the settings and the maximum bandwidth, the display can be anywhere from a few kilohertz wide to many megahertz. Depending on the implementation, an entire ham band on the screen. For KiwiSDR, its entire range of 10kHz to 30mHz can be displayed.

In the example to the right, a section of the KiwiSDR browse screen is shown (edited to fit). The graphic shows both the spectrum and waterfall displays for the 40 Meter Band. A few things become immediately apparent: Where signal can be found, their strength and to a certain



extent, their mode can be seen.

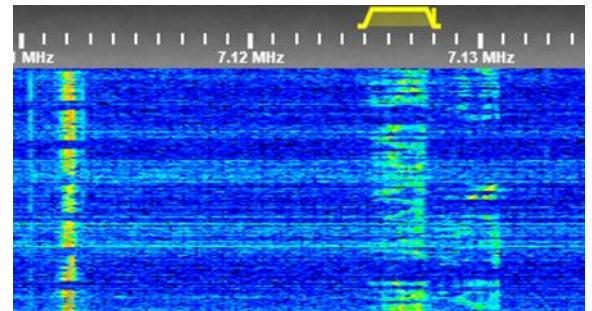
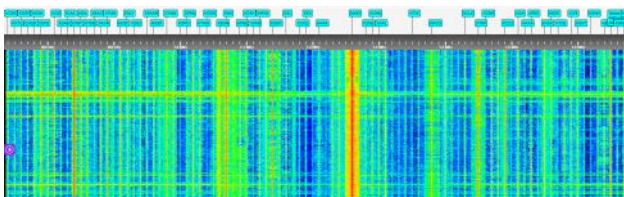
The spectrum display shows signal strength in the frequency domain while the waterfall show both signal strength in both the frequency and time domains.



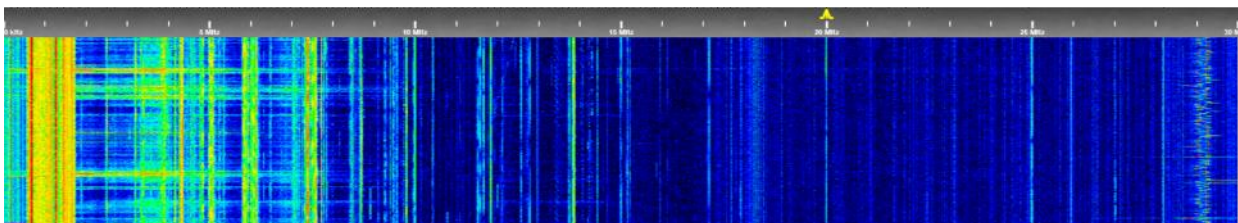
### The Waterfall Display

A waterfall display can display all kinds of information you can get nowhere else. For example, on the left graphic we can easily see a half dozen CW transmissions along with various data modes.

Single Side Band and AM are also apparent (as shown on the right). Also notice the noise across the bands on each of waterfall graphics. At night, MW AM broadcast channels are readily visible:



A view of the radio's entire bandwidth:



This is just a brief introduction to SDR. While there are certainly a lot of SDR options and toys available, [www.sdr.hu](http://www.sdr.hu) lets you get your feet wet with only an internet connection and a computer. Best of all, you can play and explore for free and there is nothing to install. I found it interesting to listen to US operators on 40 meters from a different geographical perspective. And, like a little kid, it is fun to listen to AM radio from Athens to Hong Kong.

## VE TEAM

The next **ALWAYS FREE** testing session:  
Saturday September 16th.

To avoid giving your SSN go to:

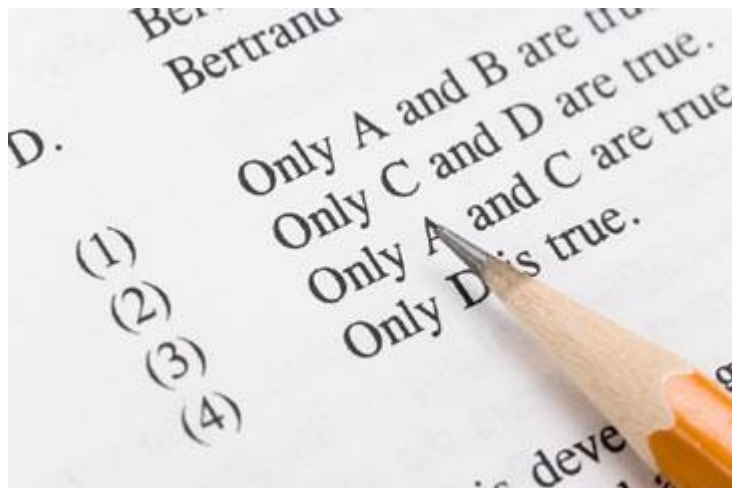
<http://wireless.fcc.gov/uls/index.htm?job=home>

Register and bring the resultant FRN.

For more info:

<https://www.laurelvec.com/?team=RARA>

Don Kiser - AC2EV  
RARA Board member  
VE Team Leader  
585-613-1035



<b>Robert Schneider</b>	KD2NQH	T	<b>Dennis O'Donnel</b>	KD2NQI	T
<b>Andrew Wescott</b>	KD2NQJ	T	Marisa Ashour	AC2VM	E
<b>Patrick Cain</b>	KD2NQK	T			

New licensees names are in **BOLD**



# RARA CALENDAR

Tim Barrett, K9VB

July 2017						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
						<b>1</b> RAC Canada Day Ctst FISTS Slow Speed Venezualan Day Ctst Marconi HF Contest
<b>2</b> Marconi HF Contest DARC 10M Digi Ctst IQR Marathn	<b>3</b> 10-10 QSO Party	<b>4</b> 10-10 QSO Party Phone Fray	<b>5</b> 10-10 QSO Party  ** No RaRa General Mtg **	<b>6</b> RaRa BoD Meeting 5:30pm, BSA HQ, B'ton Henrietta TLR NCCC Sprint 10-10 QSO Party NRAU 10 M Contest	<b>7</b> 10-10 QSO Party	<b>8</b> RaRa Summer Picnic West Lodge, Mendon Ponds Pk 11am Bike MS IARU HF World Championship 10-10 QSO Party SKCC Sprintathon
<b>9</b> Cicero Hamfest IARU HF World Championship Bike MS 10-10 QSO Party SKCC Sprintathon	<b>10</b>	<b>11</b> Phone Fray	<b>12</b> SIARC 7.30pm	<b>13</b> NCCC Sprint QRP Fox Hunt	<b>14</b>	<b>15</b> Batavia Hamfest Russian Radio Team Championship Genessee Valley Horse Trials NA RTTY QSO Pty
<b>16</b> Genessee Valley Horse Trials NA RTTY QSO Pty	<b>17</b>	<b>18</b> RDXA 7.30pm Phone Fray	<b>19</b>	<b>20</b> NCCC Sprint QRP Fox Hunt	<b>21</b>	<b>22</b>
<b>23</b> Radiocomm Hamfest Utica	<b>24</b>	<b>25</b> Phone Fray	<b>26</b>	<b>27</b> NCCC Sprint	<b>28</b>	<b>29</b> RSGB IOTA ontest
<b>30</b> ARS Flight of the Bumblebees	<b>31</b>					

Print this calendar and leave it by your radio.

## SAVE THE DATES

**Winterfest** - Saturday February 10, 2018 - Stewart Lodge, Mendon Ponds Park

**Picnic** - Saturday July 8, 2017 - Mendon Ponds Park, West Lodge

Saturday July 14, 2018 - Stewart Lodge, Mendon Ponds Park

**Banquet** - Friday September 22, 2017- Burgundy Basin Inn

# Radio Fab Lab!

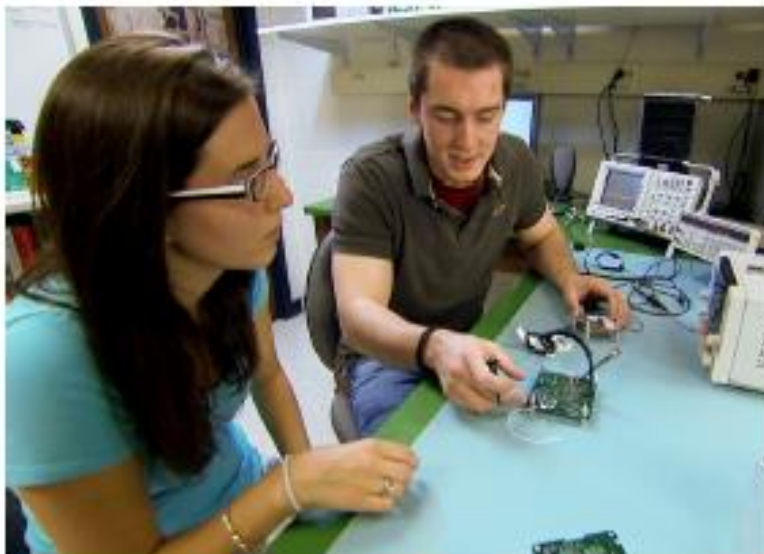
Level 1, Hands-On Workshops for Ages 10-19  
*on Electronics & Wireless Communications. Starts SEP 2017*

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amplifiers, transmitters, receivers, cameras, phones, and drones under  
the guidance of expert instructors



- Learn the basics of electronics
- Build & test circuits in Workshop #1
- Build
  - Transistor circuits
  - Amp for a smart phone
  - Morse Code oscillator
  - Transmitter
  - Receiver
  - Antenna
- Communicate using what you built
- Learn about digital wireless, drones and cameras through building devices.

**And..take the projects home with you!**

**Saturdays at the AWA Museum, 9am-11am, Sept. 9-Dec. 2**  
(no workshop on November 25)

\$140 includes one-year museum membership (cost is \$240 for non-members),  
attendee can bring one adult for free, 6925 Route 5, Bloomfield, NY 14469

To sign up or ask questions: Email: [Education.awam@gmail.com](mailto:Education.awam@gmail.com)  
Class size is limited to 30. Register in advance using the registration form.



# NEWS FROM AREA CLUBS

## MONROE COUNTY ARES / RACES NEWS

The Monroe County Amateur Radio Emergency Service, Inc. holds its meetings on the fourth Thursday of each month. Anyone interested, members and non-members, are welcome to attend.

**There will be no meeting in July or August.**

The next ARES Meeting will be held on: **Thursday, September 22, 2017, at 6:00 PM.** Meetings are held at the **Greater Rochester Chapter of the American Red Cross HQ, 50 Prince Street, Rochester, NY 14607.** (Located behind the Rochester Auditorium Theatre, 885 Main St. E.)



### ARES NET:

Monroe County ARES/RACES meets on the air every Thursday of the month at 7:00 pm, on the 146.61 MHz (-) 110.9 Hz PL repeater. The only exception to that are nights when we hold our regular meeting, generally on the 4th Thursday of the month.

**WEB:** [www.monroecountymcomm.org](http://www.monroecountymcomm.org)

### Severe Weather Alerts:

Winter brings severe weather in the form of heavy snow and strong winds. If you experience severe weather, especially when accompanied by damage to property in your area, listen to your local ARES/RACES repeaters for information. While official ARES/RACES activation could be a possibility, it is more important that we open a spontaneous net simply to share information about weather conditions in your immediate area. Don't wait for someone else to do it. Pick up the microphone and start a net. Have each check-in station give you a situational awareness report and emergency power report. If you don't have a copy of the directed net protocol, you can find one at the WEB address listed above. (Activities/ARES Net/ Net Script/ Downloads)

### NBEMS:

Want to learn about Narrow Band Emergency Messaging System (NBEMS)? It's the latest and easiest way to "Go Digital!" Bring your laptop computer and 2-M handheld transceiver. We will conduct an NBEMS clinic after every meeting through June 2017.

## ROCHESTER RADIO REPEATER ASSOCIATION, RRRRA

The Rochester Radio Repeater Association, RRRRA is now in it's summer break. Monthly general club meetings will begin again in September. RRRRA's major event this summer is its 2017 Hamfest on August 19. RRRRA is inviting ARRL volunteer examiners and individual volunteers to help with its upcoming hamfest. If you need info or want to volunteer, our hamfest email is [2017.rrra.hamfest@gmail.com](mailto:2017.rrra.hamfest@gmail.com) You can also contact Bob, N2HJD on the Megaplex if you prefer. Our hamfest committee will be holding meetings at the Barnard Fireman's Field prior to our hamfest. The time and date will be published on our web site. You don't have to be a RRRRA member to volunteer but your participation would be appreciated.

RRRA also accepts donations to the club. If you are not currently a member and want to support RRRRA, you can join at our monthly meeting or on our web site [www.k2rra.org](http://www.k2rra.org)

## ROCHESTER VHF GROUP

For information on the Rochester VHF Group, visit our website [www.rvhfg.org](http://www.rvhfg.org) for details.

The Rochester VHF Group sponsors an informal On-Air Net every Monday at 2100 local time on 144.260 MHz USB and a 6 Meter Net every Thursday at 2100 local on 50.200 MHz USB.

More club information can be found by visiting [www.rvhfg.org](http://www.rvhfg.org) or just calling in any Monday or Thursday night. All are welcome to check in to these nets.

## ROCHESTER DX ASSOCIATION, RDXA

The Rochester DX Association does not meet in July or August. The next meeting will be Tuesday 19 September.



RDXA meets the 3rd Tuesday of every month (September through May) except for December, which is the Annual Holiday Banquet. Meetings are open to everyone and all are encouraged to attend.

Meetings are held at the Monroe County EOC 1190 Scottsville Rd. (second floor), Rochester, NY 14624 at 7:30PM.

Monthly programs are announced in the official RDXA newsletter or on the website at [www.RDXA.com](http://www.RDXA.com)

## XRX AMATEUR RADIO CLUB

The XRX Amateur Radio Club will be operating Field Day at the Webster Rec Center in Webster. No meetings until September. Stay up-to-date by visiting

<http://xarc.us>

## SQUAW ISLAND AMATEUR RADIO CLUB, SIARC

The Squaw Island Amateur Radio Club (SIARC) meets every second Wednesday of the month at 7:30PM at the Ontario County Safety Training Facility, 2914 County Road 48, Town of Hopewell. We have License Exam Testing every other month which begins at 6:30PM. The next meeting will be Wednesday, July 12th. There will be License Exam testing this month.

73's Steve Benton VP SIARC WB2VMR

## AMATEUR RADIO ASSOCIATION OF THE SOUTHERN TIER

ARAST meets the third Thursday of every month at the Town & Country Fire house in Horseheads. C-CARES meets the first Tuesday of the month except February. C-CARES covers the entire area in Chemung, Schuyler and Steuben Counties and everyone is welcome.

There will be no C-CARES meeting for the month of July only because of the July 4th holiday.

Don't forget to mark your calendar's for this year's hamfest September 30, 2017 located at the Chemung County Fairgrounds in Horseheads, NY. Tickets are available from any board member and online at our website.

Communicators are still needed for this year's Wineglass Marathon October 1, 2017. If you can help out in any manner, please contact the emergency coordinator at: [emergencycoordinator@stny.rr.com](mailto:emergencycoordinator@stny.rr.com). If you wish to help out the need for notification is now. We need to let law enforcement know who is volunteering.

Our website is almost complete undergoing construction. I understand that until the re-write is complete, it will still be usable. So go ahead and check out our website at [www.arast.org](http://www.arast.org).

## COMMUNITY AMATEUR RADIO CLUB, CARC

If you are interested in being a part of this forward thinking and active club, visit us at a meeting or join us on one of our weekly nets. We meet at the Hoag Library (134 S. Main St. Albion, NY) on the first Saturday of each month at 7pm. Each meeting has a brief training/refreshers period with upcoming topics including: net protocol, repeater set-up/maintenance, and digital signaling. The club holds a net every Sunday evening at 8pm (winter) and 9pm (summer) - 0100 UTC Monday - on 147.585 simplex, and we host the Thursday Night Social Net, Thursday at 8:30pm on 147.285+. We'd love to hear you check-in! Take a look at the club website for more info: [www.k2srv.org](http://www.k2srv.org)

## DIGITAL COMMUNICATIONS ASSOCIATION OF PERINTON, DCAP

DCAP members continue to experiment with leading edge digital communications modes. We were formed in 1994 to foster the development of local and regional packet radio networks using AX25 and TCP/IP. Today we have members using the club sponsored DSTAR repeater (KB2VZS on 444.8MHz), several personal and public [DSTAR hotspots](#) (using the dvprtr board), Yaesu fusion systems on non-club repeaters and DMR. The last mode is being enjoyed locally through a [DV-Mega-Raspberry Pi](#) combination. DCAP meets for breakfast at 7am nearly every Saturday morning at [Rikki's Family Restaurant](#) in Fairport and everyone is welcome to join us. Talk in is on the KB2VZS analog repeater on 146.715MHz with a PL of 110.9 Hz.



## WESTSIDE AMATEUR RADIO CLUB

The mission of the Westside Amateur Radio Club is to provide emergency communications services to the community, to assist other civic organizations, to promote the technical craft of amateur radio through class training and testing, to mentor new members, and enhance fellowship among radio amateurs.

The Westside Amateur Radio Club meets on the second Wednesday of the month at the Chili Public Library. The Library is located at 3333 Chili Ave, Rochester, NY 14624.

The talk in repeater for all meetings is the K2RWC Repeater 146.700MHz - 110.9

Website: <http://WestsideAmateurRadio.club>

## INTERLOCK ROCHESTER - K2HAX - ROCHESTER'S HACKERSPACE

Interlock Rochester is open most every Tuesday night at 7pm. We're in the Hungerford Building (1115 East Main Street, Rochester NY), just north of Village Gate. Come to Door #7 (to the left of Comics Etc) and buzz Suite 200. Want to know more? Visit our website at <http://www.interlockroc.org/>, contact us at [info@interlockroc.org](mailto:info@interlockroc.org), or find us in #interlock on Freenode IRC.

## GENESEE VALLEY AMATEUR RADIO ASSOCIATION

Email [n3dsp@lafireline.net](mailto:n3dsp@lafireline.net) for details.

## ROCHESTER MAKERSPACE

The Rochester Makerspace is located at the rear of 850 St. Paul Street in almost 4,000 square feet of workspace. We are a volunteer-run 501c(3) nonprofit organization and our mission is to encourage learning, creativity and collaboration. We do that by providing low-cost and free access to sophisticated tools, offering a wide variety of classes, and by providing opportunities for "makers," artists and crafts persons of all kinds to meet and learn from each other.

Drop in to explore, learn and make at our weekly open house:

Every Thursday Night, 6 to 10 PM – Weekly Community Night & Open House

Every Saturday, 11 AM to 3 PM – Weekly Community & Open House

Park in the lot at Scrantom St. and Conkey Ave. and follow the signs.

Every Thursday Night, 7 to 9:30 PM – Microcontrollers & Robotics Meetup

A ham bench is set up with a 2 meter FM radio and a laptop with websdr. Waiting for nicer weather to install outside antennas for the Heathkit HW101 transceiver and Kenwood all mode 2 meter transceiver. Donations of ham equipment accepted.

For more information visit [Rochestermakerspace.org](http://Rochestermakerspace.org)

## HELP WANTED

Assistant Editor for the RARA RAG.

Responsibilities may include:

Monthly reminders

Update club information and contacts

News From Area Clubs

Advertising and more.

Send a brief bio stating why you would like to participate to:

[Editor@rochesterham.org](mailto:Editor@rochesterham.org)

# HAMFESTS

RAGS Hamfest  
Sunday July 9, 2017  
<http://www.ragsclub.org/hamfest.html>

Batavia Hamfest  
Saturday July 15, 2017  
<http://w2so.org/batavia-hamfest/>

Ithaca Hamfest  
Saturday August 5, 2017  
<http://tcara-ny.org/hamfest/>

RRRA Hamfest at Barnard  
Saturday August 19, 2017  
<http://www.k2rra.org/>

Lancaster Hamfest  
Saturday September 9, 2017  
<http://w2so.org/lancaster-hamfest/>

Elmira Hamfest  
Saturday September 30, 2017  
[http://www.arast.org/index.php?option=com\\_content&view=article&id=4&Itemid=6](http://www.arast.org/index.php?option=com_content&view=article&id=4&Itemid=6)



## RAGS 2017 Hamfest

### Sunday, July 9, 2017

Talk-In 146.91/31 pl 103.5

#### Great Location!!

A/C and Paved Tailgating  
American Legion Post 787  
5575 Legionnaire Drive  
Cicero, NY  
7:00A Setup / 7:30A Open  
7:30A-12:30P  
Breakfast & Lunch  
V.E. Session  
9:00A

#### DIRECTIONS

- From N: I-81 S to exit 30, west on Rt. 31 to Legionnaire Dr., then right
- From S: I-81 N to exit 30, west on Rt. 31 to Legionnaire Dr., then right
- From E: I-90 W to exit 36. I-81 N to exit 30, west on Rt. 31 to Legionnaire Dr., then right
- From W: I-90 E to exit 36. I-81 N to exit 30, west on Rt. 31 to Legionnaire Dr., then right



**ATM on Site!!**

**FCC Exams 9:00A**  
**ARRL VE Team**  
Bring \$15 Exact Cash Or M.O.  
and Photo ID. If upgrade,  
bring original  
License & CSCE if applicable.

**Free General Parking**  
**\$5 Admission \$5 Outdoor Space**  
**\$8 Indoor Tables**

### Grand Prizes!!

**Winners Need Not Be Present**

<b>\$500</b>	<b>25A Power Supply</b>	<b>6m/2m/70cm</b>
<b>Gift Certificate</b>	<b>&amp; Power Panel</b>	<b>Base Antenna</b>
<b>Universal Radio</b>	<b>Jetstream JTPS30M</b>	<b>Diamond</b>
	<b>MFJ -1128</b>	<b>V2000A</b>

## Batavia Hamfest

### Saturday, July 15, 2017

**Alexander Firemen Grounds**

10708 Alexander Rd. Route 98  
One mile south of Rt. 20, Alexander, NY 14005 [MAP](#)

Outdoor Flea Market - FREE Tailgating 6:00am - till  
Buy/Sell Ham radio gear

Fun... Prizes...Trophies... Contests.. Fox Hunt ... Radio Sport  
Class/Talk  
Overnight Camping Allowed- Arrive after 6PM on Friday ( the  
night before hamfest) .

Only \$7.00 admission includes free tailgating and free indoor  
spaces

VE Exam 8:00 AM To Pre register for test - contact John  
Maxwell [maxwell@acsu.buffalo.edu](mailto:maxwell@acsu.buffalo.edu) or Call 716--404-9256

Talk In: 147.285 PL 141.3 Batavia repeater  
Breakfast and lunch available

Sponsored by: The Lancaster Amateur Radio Club - [w2so.org](http://w2so.org)

Questions : contact - Luke, N2GDU [luke48@gmail.com](mailto:luke48@gmail.com)



# THE AMATEUR'S CODE

Originally written by Paul M. Segal, W9EEA (1928)

## THE RADIO AMATEUR IS:

<b>CONSIDERATE</b>	Never knowingly operating in such a way as to lessen the pleasure of others.
<b>LOYAL</b>	Offering loyalty, encouragement and support to other amateurs, local club, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.
<b>PROGRESSIVE</b>	With knowledge abreast of science, a well built and efficient station and operation beyond reproach.
<b>FRIENDLY</b>	With slow and patient operation when requested, friendly advice and counsel to the beginner, kindly assistance, co-operation and consideration for the interests of others. These are the hallmarks of the amateur spirit.
<b>BALANCED</b>	Radio is an avocation, never interfering with duties owed to family, job, school or community.
<b>PATRIOTIC</b>	With station and skill always ready for service to country and community.

## VISIT THE RARA WEBSITE!

Did you know that your club's website ([www.rochesterham.org](http://www.rochesterham.org)) offers these features and more?

- Photos of meetings & events (you might be in there!)
- Info on upcoming meetings/programs
- Rochester Hamfest information!
- Online membership & renewal
- Track and redeem your Reward Points
- Public service info & sign-up
- VE testing info
- Back issues of the RAG in PDF
- Officer contact
- List of past presidents
- Online membership directory
- Order RARA logo products
- Useful Internet links
- Ham Radio 101 – tons of tutorial info, plus net & repeater listings



## RARA MARKETPLACE

Your commercial ad could be here! The RARA RAG can help spread the word on your business at very reasonable rates.

Contact us for details at [editor@rochesterham.org](mailto:editor@rochesterham.org).

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BOOTH 1707-1711

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# RARA MARKETPLACE

## PROMOTE YOUR BUSINESS WITH RAG ADVERTISING

Ad size and cost:

Business Card	- 2 x 3.5	\$140
Quarter Page	- 4.2 x 3.5	\$300
	- 2 x 7.3	\$300
Half Page	- 4.2 x 7.3	\$600
	- 8.6 x 3.5	\$600

The above prices are **per year** - not per month as is typical in other publications.

Your advertisement will be seen by amateurs in Rochester, Monroe County, New York State, the United States and even the rest of the world. RAG circulation is approx. 8,000.

Pass it forward  
by donating your radio  
or accessory to RARA.



We will make sure it finds a good home.

You will get a tax-deductible receipt  
and the satisfaction that comes with  
doing good for others.

Call 585-210-8910 or email  
[Secretary@RochesterHam.org](mailto:Secretary@RochesterHam.org).

RARA is an IRS 501.c.3 non-profit

Consult with your tax advisor.



**Get your message through!**

**Advertise in the RaRa RAG -  
Read by over 8,000 radio enthusiasts each month.**

For more information: [Editor@RochesterHam.org](mailto:Editor@RochesterHam.org)

# RARA OFFICERS

## OFFICERS

<b>President:</b> Forest Shick, WA2MZG	(585) 721-1653	<a href="mailto:wa2mzg@arrl.net">wa2mzg@arrl.net</a>
<b>Vice-President:</b> Anand Choudri, KC2KPG	(585) 377-0759	<a href="mailto:kc2kpg@arrl.net">kc2kpg@arrl.net</a>
<b>Treasurer:</b> Brian O'Connor, KA2CGB	(585) 721-2346	<a href="mailto:ka2cgb@arrl.net">ka2cgb@arrl.net</a>
<b>Secretary:</b> Tim Guyot, KB1POP	(585) 406-3163	<a href="mailto:timguyot@gmail.com">timguyot@gmail.com</a>

## BOARD OF DIRECTORS

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## DEPARTMENT HEADS

<b>Raffle Administrators</b>	Jay Hamill, KC2TCM Sabrina Hamill, WD2STK	
<b>Club Historian</b>	Ed Gable, K2MP	
<b>Club Station Trustee</b>	Jim DiTucci, N2IXD	<a href="mailto:n2ixd@arrl.net">n2ixd@arrl.net</a>
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<b>Hamfest Co-Producers</b>	Tim Barrett, K9VB Anand Choudri, KC2KPG Tim Guyot, KB1POP	<a href="mailto:tim.k9vb@gmail.com">tim.k9vb@gmail.com</a> <a href="mailto:kc2kpg@arrl.net">kc2kpg@arrl.net</a> <a href="mailto:timguyot@gmail.com">timguyot@gmail.com</a>
<b>License Testing Coordinator</b>	Don Kiser, AC2EV	<a href="mailto:dkiser100@gmail.com">dkiser100@gmail.com</a>
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<b>Webmaster</b>	Frank Schramm, WB2PYD	<a href="mailto:wb2pyd@gmail.com">wb2pyd@gmail.com</a>

## AUGUST RAG DEADLINE

**JULY 15, 2017**



**RARA meets at 7PM on the  
first **Wednesday** of each  
month. Join us at:**

**Seneca Waterways Council, BSA Headquarters  
2320 Brighton Henrietta Town Line Rd  
Rochester, New York 14623**

**Get Directions**

### **Rochester Area Repeater Listing**

### **THE RARA RAG**

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Hotline – (585) 210- 8910  
Website – <http://www.rochesterham.org>

## ROCHESTER AREA RADIO CLUB CONTACTS

### **Antique Wireless Association (AWA)**

Lynn Bisha, W2BSN: [lbisha@rochester.rr.com](mailto:lbisha@rochester.rr.com)

### **Community Amateur Radio Club (CARC)**

Joe Gangi, AC2NB: [ac2nb.carc@gmail.com](mailto:ac2nb.carc@gmail.com)

### **Digital Communications Association of Perinton (DCAP)**

Gary Skuse, KA1NJL: [ka1njl@arrl.net](mailto:ka1njl@arrl.net)

### **Drumlins Amateur Radio Club Ltd. (DARC)**

Alan Cook, K2MPE: [alancook948@gmail.com](mailto:alancook948@gmail.com)

### **Fisherman's Net Amateur Radio Club**

Jim Sutton, N2OPS: [jim@otrym.org](mailto:jim@otrym.org)

### **Genesee Valley Amateur Radio Assn.**

Bill Boyd, N3DSP: [N3DSP@lafireline.net](mailto:N3DSP@lafireline.net)

### **Monroe County ARES**

Jim DiTucci, N2IXD: [n2ixd@arrl.net](mailto:n2ixd@arrl.net)

### **Orleans County Amateur Radio Club (OCARC)**

Terry Cook, K2EYS: [k2eys@ocarc.us](mailto:k2eys@ocarc.us)

### **Rochester Amateur Radio Association (RARA)**

Forest Shick, WA2MZG: [wa2mzg@arrl.net](mailto:wa2mzg@arrl.net)

### **Rochester DX Association (RDXA)**

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### **Rochester Makerspace**

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### **Rochester Radio Repeater Association (RRRA)**

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### **Squaw Island Amateur Radio Club (SIARC)**

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### **Westside Amateur Radio Club**

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[communications@westsideamateurradio.club](mailto:communications@westsideamateurradio.club)

### **XXR Amateur Radio Club**

Brian Donovan, K2AS: [k2as@outlook.com](mailto:k2as@outlook.com)